

Acta
OTO-LARYNGOLOGICA

Vol. 110 · JULY-DECEMBER 1990 · No. 1-6

EDITORS:

B. DRETTNER

HUDDINGE · SWEDEN

ASSOCIATE EDITOR:

C.-M. ENEROTH

LUND · SWEDEN

EDITORIAL BOARD:

DENMARK: P. BRETLAU · O. ELBRØND · K. JØRGENSEN · H. SØRENSEN · M. TOS

FINLAND: P. KARMA · J. KÄRJÄ · A. PALVA · T. PALVA · E. VIROLAINEN

NORWAY: G. DJUPESLAND · I. MAIR · J. OLOFSSON · F. WINTHER

SWEDEN: M. ANNIKO · E. BORG · B. DRETTNER · C. M. ENEROTH

C. LUNDBERG · P.-G. LUNDQUIST · J. STAHLÉ · N. G. TOREMÄLM · J. WERSÄLL

Index

Vol. 110, No. 1–2, 1990

Otoneurology

Wit HP, Spoelstra HAA, Segenhout JM. Bárány's theory is right, but incomplete. An experimental study in pigeons 1

Pau HW, Limberg W. Fluid kinetics of endolymph during rotation 7

Magnusson M, Johansson R, Wiklund J. Galvanically induced body sway in the anterior-posterior plane 11

Kasteel-van Linge A, Maas AJJ. Quantification of visuo-vestibular interaction up to 5.0 Hz in normal subjects 18

Takeda N, Igarashi M, Koizuka I, Chae S-E, Matsunaga T. Recovery of the otolith-ocular reflex after unilateral deafferentation of the otolith organs in squirrel monkeys 25

Ketterer TJ, Lyon MJ, Gacek RR. Commissural projections of the superior vestibular nucleus in the rat 31

Inner Ear

Osborne MP, Comis SD. Action of elastase, collagenase and other enzymes upon linkages between stereocilia in the guinea-pig cochlea 37

Hozawa K, Kimura RS. Cholinergic and noradrenergic nervous systems in the cynomolgus monkey cochlea 46

Hultcrantz M, Schindler RA. In vitro fluid and particle transport in the murine endolymphatic sac 56

Takeda T, Takeuchi S, Saito H. Effect of glycerol on pressure difference between perilymph and endolymph 68

Takeuchi S, Takeda T, Saito H. Effects of glycerol and mannitol on the interstitial fluid pressure of the facial nerve 73

Laine T, Johnsson L-G, Palva T. Surgical anatomy of the internal auditory canal. A temporal bone dissection study 78

Middle Ear

Yamamoto N, Ishii T, Machida T. Measurement of the mechanical properties of the tympanic membrane with a microtension tester 85

Hergils L, Mågnuson B. Human middle ear gas composition studied by mass spectrometry 92

Johansson U, Hellström S. Bacteriological characterization of the effusion material in an animal model for serous and purulent otitis media 100

Ogawa H, Hashiguchi K, Kazuyama Y. Isolation of *Chlamydia trachomatis* from the middle ear aspirates of otitis media 105

Rivas Lacarte MP, Casasin T, Pumarola F, Alonso A. An alternative treatment for the reduction of tympanic membrane perforations: sodium hyaluronate. A double blind study 110

Youngs R, Rowles P. The spatial organisation of keratinocytes in acquired middle ear cholesteatoma resembles that of external auditory canal skin and pars flaccida 115

Nose/Pharynx

Takeuchi K, Suzumura E, Majima Y, Sakakura Y. Effect of atropine on nasal mucociliary clearance 120

Bende M, Pipkorn U. Topical terlipressin (Glypressin®) gel reduces nasal mucosal blood flow but leaves ongoing nose-bleeding unaffected 124

Carenfelt C, Melén I, Ödkvist L, Olsson O, Prellner K, Rudblad S, Savolainen S, Skaftason S, Sorri M, Synnerstad B. Treatment of sinus empyema in adults. A coordinated Nordic multicenter trial of cefixime vs. cefaclor 128

Haraldsson P-O, Carenfelt C, Laurell H, Törnros J. Driving vigilance simulator test 136

Larynx/Trachea

Williams RG, Eccles R. A new clinical measure of external laryngeal size which predicts the fundamental frequency of the larynx 141

Bujia J, Wilmes E, Hammer C, Kastenbauer E. Tracheal transplantation: demonstration of HLA class II subregion gene products on human trachea 149

Oncology

Böck M, Grevers G, Koblitz M, Heim MU, Mempel W. Influence of blood transfusion on recurrence, survival and postoperative infections of laryngeal cancer 155

Otoneurology

<i>Gavilán C, Gallego J, Gavilán J.</i> "Carrusel": An expert system for vestibular diagnosis	161
<i>Kleiber M, Horstmann GA, Dietz V.</i> Body sway stabilization in human posture	168
<i>Fetter M, Zee DS, Koenig E, Dichgans J.</i> Head-shaking nystagmus during vestibular compensation in humans and rhesus monkeys	175
<i>Magnusson M, Enbom H, Johansson R, Pyykkö I.</i> Significance of pressor input from the human feet in anterior-posterior control. The effect of hypothermia on vibration-induced body-sway	182
<i>Brantberg K, Magnusson M.</i> Galvanically induced asymmetric optokinetic after-nystagmus	189
<i>Morita M, Takeda N, Hasegawa S, Yamatodani A, Wada H, Sakai S-I, Kubo T, Matsunaga T.</i> Effects of anti-cholinergic and cholinergic drugs on habituation to motion in rats	196
<i>Ito J, Naito Y, Hanjo I.</i> The influence of middle ear pressure on the vestibular nerve activity in cats	203

Audiology

<i>Kobayashi T, Itoh Z, Sakurada T, Shiga N, Takasaka T.</i> Effect of perilymphatic air perfusion on cochlear potentials	209
---	-----

Inner Ear

<i>Sølvsten Sørensen M, Bretlau P, Balslev Jørgensen M.</i> Quantum type bone remodeling in the otic capsule of the pig	217
<i>Lim DJ, Rueda J.</i> Distribution of glycoconjugates during cochlea development. A histochemical study	224
<i>ten Cate W-JF, Patterson K, Rarey KE.</i> Ultrastructure of ampullar dark cells in the absence of circulating adrenocorticosteroid hormones	234
<i>Lyon MJ, Carney ME.</i> Mitochondrial volume density of Schwann cells associated with rat vestibular ganglion cells	241
<i>Perre J, Viala P, Foncin J-F.</i> Involvement of cochlear nerve in acoustic tumours	245

Middle Ear

<i>van den Berge H, van Geest A, Rensema JW, Drukker J.</i> Three-dimensional graphic reconstruction of the tympanic bulla of the rat with special reference to the middle ear muscles	253
<i>Muren C, Wadin K, Wilbrand HF.</i> Anatomic variations of the chorda tympani canal	262
<i>Kıroğlu F, Kaya M, Özşahinoğlu C, Soylu L, Polat S.</i> Changes of middle ear mucosa in secretory otitis media treated with ventilation tubes	266
<i>Balle VH, Stangerup S-E, Sederberg-Olsen J, Thomsen J, Vejlsgaard R.</i> Amoxicillin/Clavulanate treatment in secretory otitis media. Bacteriological findings in the nasopharynx	274
<i>Meyerhoff WL, Wright CG, Gerken GM.</i> Effects of middle ear ventilation on cholesteatoma development in experimental animals	279

Nose

<i>Deitmer T, Scheffler R.</i> Nasal physiology in swimmers and swimmers' sinusitis	286
---	-----

Pharynx/Larynx

<i>Stenfors L-E, Räisänen S.</i> Age-dependent changes in bacterial adherence to epithelial cells of nasopharynx in vivo	292
<i>Yamaguchi M, Koike Y.</i> Mucosal blood volume and oxygen saturation in the human vocal fold	300

Oncology

<i>Miyaguchi M, Olofsson J, Hellquist HB.</i> Expression of epidermal growth factor receptor in laryngeal dysplasia and carcinoma	309
<i>Yamamoto Y, Itoh T, Makimoto K, Takahashi H.</i> Cell kinetic study on experimental tongue carcinoma in rats	314

Otoneurology

- Magnusson M, Enbom H, Johansson R, Wiklund J.* Significance of pressor input from the human feet in lateral postural control. The effect of hypothermia on galvanically induced body-sway **321**
- Gentine A, Eichhorn J-L, Kopp C, Conraux C.* Modelling the action of caloric stimulation of the vestibule. I. The hydrostatic model **328**

Audiology

- Ximing J, Yuqing G, Musan H.* Electrocochleography in an experimental animal model of acute endolymphatic hydrops **334**
- Plinkert PK, Gitter AH, Zenner HP.* Tinnitus associated spontaneous otoacoustic emissions. Active outer hair cell movements as common origin? **342**

Inner Ear

- Lohuis PJFM, ten Cate Wouter JF, Patterson KE, Rarey KE.* Modulation of the rat stria vascularis in the absence of circulating adrenocorticosteroids **348**
- Harris JP, Fukuda S, Keithley EM.* Spiral modiolar vein: its importance in inner ear inflammation **357**
- Yoshihara T, Igarashi M, Fermin CD.* Ultracytochemical localization of Na⁺, K⁺-ATPase activity in the tegmentum vasculosum of the developing chick cochlea **366**
- Sølvsten Sørensen M, Bretlau P, Balslev Jørgensen M.* Bone modeling in the otic capsule of the rat **374**
- Ito J, Honjo I.* Central fiber connections of the vestibuloautonomic reflex arc in cats **379**
- Carlborg B, Farmer J Jr, Carlborg A.* Effects of hypobaric pressure on the labyrinth. Cochlear aqueduct patent **386**
- Okamoto A, Tamura T, Hasegawa M, Togawa T.* Effect of vasodilating agents on cochlear blood flow under loud sound exposure **394**

Middle Ear

- Aoki K, Esaki S, Honda Y, Tos M.* Effect of middle ear infection on pneumatization and growth of the mastoid process. An experimental study in pigs **399**
- Iino Y, Toriyama M, Ogawa H, Kawakami M.* Cholesteatoma debris as an activator of human monocytes. Potentiation of the production of tumor necrosis factor **410**
- Palva T, Ramsay H.* Revision surgery for otosclerosis **416**
- Jonsson L, Stiernstedt G, Carlson J, Strömberg A, Sjöberg O, Larsson A.* Serum and cerebrospinal fluid examinations in the diagnosis of *Borrelia* infection in Bell's palsy **421**

Nose/Pharynx

- Ganbo T, Hisamatsu K-I.* Mucosal dysfunction and damage induced by platelet activating factor (PAF) **427**
- Passali D, Bellussi L, Lauriello M.* Diurnal activity of the nasal mucosa. Relationship between mucociliary transport and local production of secretory immunoglobulins **437**
- Williams RG, Eccles R, Hutchings H.* The relationship between nasalance and nasal resistance to airflow **443**
- Stierna P, Carlsöö B.* Histopathological observations in chronic maxillary sinusitis **450**
- Kimura T, Fujiwara K, Kuki K, Hayashi Y, Tabata T.* HLA-DR antigen expression in tonsillar epithelium. With special reference to focal infection **459**

Oncology

- Bier H, Bergler W, Mickisch G, Wesch H, Ganzer U.* Establishment and characterization of cisplatin-resistant sublines of the human squamous carcinoma cell line HLac 79 **466**

Short Communication

- Kozawa T, Yanagihara N, Engström M, Stiernstedt G, Jonsson L.* Serum antibody levels to the *Borrelia* spirochete in Japanese patients with Bell's palsy **474**

Index

- Vol. 110, July-December 1990 **477**